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☐ **1. Policy-based validation of SAN configuration**
Agrawal, D.; Giles, J.; Kang-Won Lee; Voruganti, K.; Filali-Adib, K.;
Policies for Distributed Systems and Networks, 2004. POLICY 2004. Proceedings. Fifth IEEE International Workshop on
7-9 June 2004 Page(s):77 - 86
Digital Object Identifier 10.1109/POLICY.2004.1309152
Summary: Historically, storage has been directly connected to servers for fast local access and easy configuration. In recent years, storage area networks (SANs) have defined an alternative storage paradigm that allows storage to be shared among servers using.....

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☐ **2. Implementing policy in enterprise networks**
Lewis, L.;
Communications Magazine, IEEE
Volume 34, Issue 1, Jan. 1996 Page(s):50 - 55
Digital Object Identifier 10.1109/35.482244
Summary: There is a need for a general policy management architecture that can guide one in understanding and implementing policy in diverse management applications. The question of policy in network management has evolved since the early '70s concern with mo.....

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☐ **3. An emulator for testing the performance of framed access schemes**
Celandroni, N.; Ferro, E.; Potorti, F.;
Global Telecommunications Conference, 1998. GLOBECOM 98. The Bridge to Global Integration. IEEE
Volume 3, 8-12 Nov. 1998 Page(s):1590 - 1593 vol.3
Digital Object Identifier 10.1109/GLOCOM.1998.776658
Summary: We present the architecture of an emulator, named FRACAS (framed channel access simulator) which is suitable for testing the performance of DA-TDMA access schemes. The main strengths of the FRACAS architecture are its speed, extendibility, and the ex.....

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4. SEOF: an adaptable object prefetch policy for object-oriented database systems
Jung-Ho Ahn; Hyoung-Joo Kim;
Data Engineering, 1997. Proceedings. 13th International Conference on
7-11 April 1997 Page(s):4 - 13
Digital Object Identifier 10.1109/ICDE.1997.581734
Summary: The performance of object access can be drastically improved by an efficient object prefetch policy. In this paper, we present a new prefetch policy, called Selective Eager Object Fetch (SEOF), which prefetches objects only from selected candidate pa.....

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5. Performance evaluation of an optimal cache replacement policy for wireless data dissemination
Jianliang Xu; Qinglong Hu; Wang-Chien Lee; Dik Lun Lee;
Knowledge and Data Engineering, IEEE Transactions on
Volume 16, Issue 1, Jan. 2004 Page(s):125 - 139
Digital Object Identifier 10.1109/TKDE.2004.1264827
Summary: Data caching at mobile clients is an important technique for improving the performance of wireless data dissemination systems. However, variable data sizes, data updates, limited client resources, and frequent client disconnections make cache managem.....

AbstractPlus | References | Full Text: PDF(1173 KB)   IEEE JNL
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6. Quality of service in enterprise networks
Melia, A.;
Services Over the Internet - What Does Quality Cost? (Ref. No. 1999/099), IEE Colloquium on
23 June 1999 Page(s):2/1 - 2/4
Summary: Quality of service consists of those mechanisms and protocols designed to facilitate the delivery of delay and bandwidth sensitive material (data/applications) across computer networks. QoS in the Ethernet networks is fundamentally creating unequal a.....

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7. Load balancing policies for multiple home agents mobile IP networks
Vasilache, A.; Jie Li; Kameda, H.;
Web Information Systems Engineering, 2001. Proceedings of the Second International Conference on
Volume 2, 3-6 Dec. 2001 Page(s):178 - 185 vol.2
Digital Object Identifier 10.1109/WISE.2001.996751
Summary: In a continuously expanding mobile and wireless networking environment, Mobile IP is the preferred standard responsible for providing Internet connectivity to roaming mobile nodes. Under certain conditions of traffic, such as in Mobile IP networks su.....

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8. Satellite clusters: a performance study
Ganz, A.; Karmi, G.;
Communications, IEEE Transactions on
Volume 39, Issue 5, May 1991 Page(s):747 - 757
Digital Object Identifier 10.1109/26.87165
Summary: A performance study of two onboard stored, baseband switched, TDMA satellites interconnected through intersatellite links is presented. The uplinks are operated under the slotted ALOHA policy, while the downlinks and intersatellite links are operated.....

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9. **A performance evaluation tool for RAID disk arrays**
Thomasian, A.; Han, C.; Fu, G.; Liu, C.;
Quantitative Evaluation of Systems. 2004. QEST 2004. Proceedings. First International Conference on the
27-30 Sept. 2004 Page(s):8 - 17
Digital Object Identifier 10.1109/QEST.2004.1348011
Summary: While the performance of individual disks is well understood, the performance of disk arrays configured as redundant arrays of independent disks - RAID requires further investigation. We report on a tool that can be used for the performance evaluatio.....

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10. **Evaluating the performance of active cache management schemes**
Tam, E.S.; Rivers, J.A.; Srinivasan, V.; Tyson, G.S.; Davidson, E.S.;
Computer Design: VLSI in Computers and Processors. 1998. ICCD '98. Proceedings., International Conference on
5-7 Oct. 1998 Page(s):368 - 375
Digital Object Identifier 10.1109/ICCD.1998.727076
Summary: In this paper we examine the performance of two multi-lateral cache schemes; one makes block allocation decisions correlated to the reference behavior of regions of memory (NTS), the other correlated to the reference behavior of memory accessing inst.....

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11. **ePASS-a software-based POWER simulator**
Goldstein, A.; Weiss, S.;
Computer Systems and Software Engineering. 1996., Proceedings of the Seventh Israeli Conference on
12-13 June 1996 Page(s):46 - 54
Digital Object Identifier 10.1109/ICCSSE.1996.554848
Summary: The latest RISC computer chips provide very high performance though complex pipelined implementations, using independent integer and floating point units, branch prediction mechanisms, multiple instruction dispatch per clock cycle and more. For a cho.....

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12. **Efficient planning of satellite-terrestrial hybrid networks for multicast applications**
Filali, F.; Dabbous, W.; Kamoun, F.;
Communications. 2001. ICC 2001. IEEE International Conference on
Volume 1, 11-14 June 2001 Page(s):216 - 223 vol.1
Digital Object Identifier 10.1109/ICC.2001.936306
Summary: As the satellite technology will be one of the main components of the next generation Internet (NGI), a naturally occurring question concerns the feasibility of providing an efficient satellite-based Internet access. In this paper, we are interested .....

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13. **Network prediction in a policy-based IP network**
Beigi, M.; Verma, D.;
Global Telecommunications Conference. 2001. GLOBECOM '01. IEEE
Volume 4, 25-29 Nov. 2001 Page(s):2522 - 2526 vol.4
Digital Object Identifier 10.1109/GLOCOM.2001.966231
Summary: In a quality of service (QoS) enabled network, the Internet service providers (ISPs) need to define the network requirements for the customers by defining a set of policies. Every time a new customer gets added or removed or when a customer's resourc.....

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14. Tradeoffs in two-level on-chip caching
Jouppi, N.P.; Wilton, S.J.E.;
Computer Architecture, 1994. Proceedings the 21st Annual International Symposium on
18-21 April 1994 Page(s):34 - 45
Digital Object Identifier 10.1109/ISCA.1994.288163
Summary: The performance of two-level on-chip caching is investigated for a range of technology and architecture assumptions. The area and access time of each level of cache is modeled in detail. The results indicate that for most workloads, two-level cache c.....

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15. An enhanced throughput and QoS-aware scheduling policy for Bluetooth
Younseog Chang; Sin-Chong Park; Seoungyoung Lee;
Wireless Communications and Networking Conference, 2004. WCNC. 2004 IEEE
Volume 2, 21-25 March 2004 Page(s):1004 - 1007 Vol.2
Summary: Bluetooth uses TDD (time division duplex) to arrange the transmission slots so that it can avoid collisions. Bluetooth has a master-slave configuration, called a piconet. The link polling policy adopted by a master may significantly influence the del.....

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16. Automatic failure detection, logging, and recovery for high-availability Java servers
Klemm, R.; Singh, N.;
Software Reliability Engineering, 2002. ISSRE 2002. Proceedings. 13th International Symposium on
12-15 Nov. 2002 Page(s):79 - 90
Digital Object Identifier 10.1109/ISSRE.2002.1173217
Summary: Many systems and techniques exist for detecting application failures. However, previously known generic failure detection solutions are only of limited use for Java applications because they do not take into consideration the specifics of the Java la.....

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17. An object level transformation technique to improve the performance of embedded applications
Bartolini, S.; Prete, C.A.;
Source Code Analysis and Manipulation, 2001. Proceedings. First IEEE International Workshop on
10 Nov. 2001 Page(s):24 - 32
Digital Object Identifier 10.1109/SCAM.2001.972663
Summary: Embedded system designers tend to use small and simple cache memories. This kind of cache can experience poor performance because of their nonflexible placement policy. In this scenario, a big fraction of the misses can originate from the mismatch be.....

AbstractPlus | Full Text: PDF(114 KB)   IEEE CNF
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18. Modeling lot routing software through discrete-event simulation
DeJong, C.D.; Jefferson, T.;
Simulation Conference Proceedings, 1999. Winter
Volume 1, 5-8 Dec. 1999 Page(s):903 - 908 vol.1
Digital Object Identifier 10.1109/WSC.1999.823304
Summary: Intel has recently developed lot-routing tools that can theoretically minimize both local and overall lot movement flexibility of existing automated material handling systems (AMHSs) and minimize the time needed to retrieve lots for processing. In or.....

AbstractPlus | Full Text: PDF(468 KB)   IEEE CNF
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19. **A class of protocols for heavy loaded multiple-channel local area networks**
Yau, V.; Pawlikowski, K.;
Communications, 1992. ICC 92. Conference record, SUPERCOMM/ICC '92, Discovering a New World of Communications, IEEE International Conference on
14-18 June 1992 Page(s):23 - 27 vol.1
Digital Object Identifier 10.1109/ICC.1992.268297
Summary: Multichannel local area networks (MLANs) that use several parallel broadcast channels and carrier sense multiple-access (CSMA)-type protocols have been shown to provide better performance than single-channel LANs of the same total bandwidth. The auth.....

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20. **Adaptive workflow-oriented services composition and allocation in distributed environment**
Jing-Fan Tang; Bo Zhou; Zhi-Jun He; Pompe, U.;
Machine Learning and Cybernetics, 2004. Proceedings of 2004 International Conference on
Volume 1, 26-29 Aug. 2004 Page(s):599 - 603 vol.1
Summary: With the increasing scale of distributed resources, which couples a wide variety of geographically distributed computational resources, storage systems, data sources and computational kernels, service management and scheduling is a complex undertakin.....

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21. **Load latency tolerance in dynamically scheduled processors**
Srinivasan, S.T.; Lebeck, A.R.;
Microarchitecture, 1998. MICRO-31. Proceedings. 31st Annual ACM/IEEE International Symposium on
30 Nov.-2 Dec. 1998 Page(s):148 - 159
Digital Object Identifier 10.1109/MICRO.1998.742777
Summary: This paper provides quantitative measurements of load latency tolerance in a dynamically scheduled processor. To determine the latency tolerance of each memory load operation, our simulations use flexible load completion policies instead of a fixed m.....

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22. **FDA: a novel base station flow control scheme for TCP over heterogeneous networks**
Jian-Hao Hu; Yeung, K.L.;
INFOCOM 2001. Twentieth Annual Joint Conference of the IEEE Computer and Communications Societies. Proceedings. IEEE
Volume 1, 22-26 April 2001 Page(s):142 - 151 vol.1
Digital Object Identifier 10.1109/INFCOM.2001.916696
Summary: A novel proactive base station flow control algorithm, called forced duplicate acknowledgement (FDA), is proposed for extending TCP over wireless networks. FDA is implemented at the base station (BS) of a wireless network. It works in conjunction wit.....

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23. **Erlang capacity of a TDD-TD/CDMA architecture supporting heterogeneous traffic**
Casoni, M.; Merani, M.L.;
Global Telecommunications Conference, 2001. GLOBECOM '01. IEEE
Volume 1, 25-29 Nov. 2001 Page(s):637 - 641 vol.1
Digital Object Identifier 10.1109/GLOCOM.2001.965194
Summary: In this paper we study the performance of a TDD-TD/CDMA architecture with two classes of subscribers, voice and data, when an interference-driven admission control policy is adopted. The blocking and the outage probability of the system users are eva.....

AbstractPlus | Full Text: PDF(103 KB)   IEEE CNF
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24. **The ChARM tool for tuning embedded systems**
Prete, C.A.; Graziano, M.; Lazzarini, F.;
Micro, IEEE
Volume 17, Issue 4, July-Aug. 1997 Page(s):67 - 76
Digital Object Identifier 10.1109/40.612225
Summary: ChARM is a simulation tool for tuning ARM-based embedded systems that include cache memories. ChARM provides a parametric, trace-driven simulation for tuning system configuration. A designer can observe performance while varying the timing, the archi.....

AbstractPlus | References | Full Text: PDF(416 KB)   IEEE JNL
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25. **A comparison of fixed-priority and static cyclic scheduling for distributed automotive control applications**
Lonn, H.; Axelsson, J.;
Real-Time Systems, 1999. Proceedings of the 11th Euromicro Conference on
9-11 June 1999 Page(s):142 - 149
Digital Object Identifier 10.1109/EMRTS.1999.777460
Summary: This paper compares different scheduling policies applied to distributed systems intended for automotive real-time control applications. We describe the characteristics of systems using fixed priority (FP) and static cyclic (SC) scheduling of process.....

AbstractPlus | Full Text: PDF(72 KB)   IEEE CNF
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26. **Channel allocation protocols in frequency-time controlled high speed networks**
Chlamtac, I.; Ganz, A.;
Communications, IEEE Transactions on
Volume 36, Issue 4, April 1988 Page(s):430 - 440
Digital Object Identifier 10.1109/26.2767
Summary: In conventional high-speed systems, the high ratio between the end-to-end propagation delay and the message transmission time severely restricts the system performance. Thus, the increase in channel bandwidth may be accompanied by only a marginal inc.....

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27. **Access invariance and its use in high contention environments**
Franaszek, P.A.; Robinson, J.T.; Thomasian, A.;
Data Engineering, 1990. Proceedings. Sixth International Conference on
5-9 Feb. 1990 Page(s):47 - 55
Digital Object Identifier 10.1109/ICDE.1990.113453
Summary: Various factors suggest that data contention may be of increasing significance in transaction processing systems. One approach to this problem is to run transactions twice, the first time without making any changes to the database. Benefits may resul.....

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